PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 414/04404		Form PCT/ISA/220 re applicable, item 5 below.				
International application No. PCT/IL05/00140	International filing date (day/month/year) 04 February 2005 (04.02.2005)	(Earliest) Priority Date (day/month/year) 05 February 2004 (05.02.2004)				
Applicant REABILITY INC.						
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of						
may, within one month from 6. With regard to the drawings, a. the figure of the drawings to be as suggested by the as sclected by this	d, according to Rule 38.2(b), by this Authority in the date of mailing of this international search published with the abstract is Figure No. 1 applicant. Authority, because the applicant failed to suggestant failed to suggestant.	h report, submit comments to this Authority.				

Form PCT/ISA/210 (first sheet) (April 2005)

International application No.

PCT/IL05/00140

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first shall be international search report has not been established in respect of certain claims under Article 17(2)(a) for the following real. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:	sons:
1. Claims Nos.:	
Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to an extent that no meaningful international search can be carried out, specifically:	such
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6	.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)	
This International Searching Authority found multiple inventions in this international application, as follows: Please See Continuation Sheet	
 As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.: 	ort
4. No required additional search fees were timely paid by the applicant. Consequently, this international search reportestricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-8 Remark on Protest The additional search fees were accompanied by the applicant's protest and, where applicable, to payment of a protest fee. The additional search fees were accompanied by the applicant's protest but the applicable protest was not paid within the time limit specified in the invitation. No protest accompanied the payment of additional search fees.	ne

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Box IV TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

NEW	ARSTR	4.00

The invention relates to a rehabilitation device which guides a patient to perform a motion with a correct spatial trajectory, by the device applying one or more pushing, assisting, reminding, responding and/or resisting forces during a motion (or intent to move) by the patient. The forces are applied by an actuator, for example, a robotic articulated arm or a spherically jointed lever. The applied forces act as a force field, optionally continuous, which impedes and/or guides a patient. The device can be programmable with various trajectories (paths and/or velocities) and/or forces. The forces at one point in the trajectory can vary responsive to an actual trajectory by the patient and/or responsive to a rehabilitation plan and/or improvement of the patient. The device can learn a motion entered by a physiotherapist and replay it for the patient.

Form PCT/ISA/210 (continuation of first sheet(3)) (April 2005)

International application No.

PCT/IL05/00140

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61H 1/02					
US CL : 601/5, 33					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 601/5, 23, 27-34; A61H 1/00, 1/02					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields s	earched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms use	d)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category * Citation of document, with indication, where appropriate, of the relevant passages Relevant to	claim No				
V LIGA 024 200 A (TIRL A) TOGOTO AC VIDENTIANO	-8				
A US 5,211,161 A (STEF) 18 MAY 1993 (18.05.1993)					
A US 5,466,213 A (HOGAN et al) 14 NOVEMBER 1995 (14.11.1995)					
A US 5,391,128 A (deBear) 21 FEBRUARY 1995 (21.02.1995)					
A US 5,454,774 A (DAVIS) 03 OCTOBER 1995 (01.10.1995)					
Further documents are listed in the continuation of Box C. See patent family annex.					
* Special categories of cited documents: "T" later document published after the international filing date and not in conflict with the application but cited to unders					
"A" document defining the general state of the art which is not considered to be of principle or theory underlying the invention particular relevance					
"E" earlier application or patent published on or after the international filing date "X" document of particular relevance; the claimed invention or considered novel or cannot be considered to involve an in when the document is taken alone					
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as "Y" document of particular relevance; the claimed invention or specified) considered to involve an inventive step when the document	it is combined				
"O" document referring to an oral disclosure, use, exhibition or other means with one or more other such documents, such combination being obvious to a person skilled in the art					
"P" document published prior to the international filing date but later than the "&" document member of the same patent family priority date claimed					
Date of the actual completion of the international search Date of mailing of the international search report					
04 November 2005 (04.11.2005) Nerre and mailing address of the ISA (IS					
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Address of the ISA/US					
Commissioner for Patents P.O. Box 1450 Danton DeMille					
Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201 Telephone No. (571) 272-3700					

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BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claim(s) 1-8, drawn to a rehabilitation device including a frame, an actuator and a joint interconnecting the frame and the actuator.

Group II, claim(s) 9-11, drawn to a method of setting up a rehabilitation system.

Group III, claim(s) 12-36, drawn to a rehabilitation device including a joint, a substantially rigid radial extension and a controller.

Group IV, claim(s) 37, drawn to a balance rehabilitation device including an actuator and a weight.

Group V, claim(s) 38-44, drawn to a method of rehabilitation comprising assisting motion, resistance to motion and compliance to motion without electro-mechanical feedback loop.

Group VI, claim(s) s 45-49, drawn to a rehabilitation device including a motor which prevents back-driving of the motor.

Group VII, claim(s) 50-51, drawn to a rehabilitation device comprising a motor and slot to drive a lever with a spring providing resilience to motion.

Group VIII, claim(s) 52-53, drawn to a multi-axis resilient element with two sets of joints.

Group IX, claim(s) 54-57, drawn to a rehabilitation device including a motor and spring coupled to the motor that is settable.

Group X, claim(s) 58, drawn to a telescoping mechanism.

Group XI, claim(s) 59-65, drawn to a portable rehabilitation device that has two configurations.

Group XII, claim(s) 66-69, drawn to a rehabilitation device comprising a separable element interconnecting a motor and a lever.

Group XIII, claim(s) 70-73, drawn to a rehabilitation device with a controller adapted to identify a safety problem.

Group XIV, claim(s) 74-78, drawn to a rehabilitation docking station with a docking port adapted for locking to a patient carrier.

The inventions listed as Groups I-XIV do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the rehabilitation devices recite their own specific requirement that is different from any of the other rehabilitation devices. The methods also require specific steps that are

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different from the other method claims and devices. devices.	The telescoping mechanism doesn't require any of the details of the rehabilitation
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